

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claims 1-7 (Cancelled)

8. (Currently amended) A garment comprising:

~~a fabric having a plurality of pores, the fabric having a given critical surface tension if a fluorochemical is applied thereto, the plurality of pores each having a size capable of permitting a given liquid having a surface tension that is no less than the given critical surface tension to pass therethrough if a fluorochemical is applied to the fabric; and~~

~~an occluding a chemical composition applied to at least a selected portion of the fabric, the selected portion including the plurality of pores, the occluding chemical composition comprising: being capable of substantially preventing passage of the given liquid through the plurality of pores while substantially allowing vapor passage through the plurality of pores~~

a fluoroalkyl acrylate copolymer having a concentration ranging from about 4.5% to about 9% by weight of the chemical composition;

a pore resistance composition having a concentration ranging from about 0.46 to about 0.65 parts by weight for each part of the fluoroalkyl acrylate copolymer; and

a crosslinking composition having a concentration ranging from about 0.60 to about 0.80 parts by weight for each part of the fluoroalkyl acrylate copolymer.

9. (Original) The garment according to claim 8, wherein the fabric includes denim.

10. (Original) The garment according to claim 9, wherein the denim is texture-treated.

11. (Original) The garment according to claim 8, wherein the fabric is texture-treated.

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Claims 12-14 (Cancelled)

15. (Currently amended) The garment according to claim 14 8, wherein the pore resistance composition includes a wax.

16. (Currently amended) The garment according to claim 14 8, wherein the pore resistance composition includes a thermoplastic elastomer.

17. (Original) The garment according to claim 16, wherein the thermoplastic elastomer includes a urethane.

Claims 18-19 (Cancelled)

20. (Currently amended) The garment according to claim 19 8, wherein the crosslinking composition includes an inorganic salt and 2-imidazolidinone.

21. (Currently amended) The garment according to claim 18 8, wherein the crosslinking composition includes a glyoxal-based agent.

22. (Currently amended) The garment according to claim 8, wherein the chemical composition further including includes a microencapsulated odor neutralizing composition applied to at least the selected portion of the fabric.

23. (Original) The garment according to claim 22, wherein the microencapsulated odor neutralizing composition is capable of decreasing the vapor pressure of an odor composition.

24. (Original) The garment according to claim 22, wherein the microencapsulated odor neutralizing composition includes a scent composition.

25. (Original) The garment according to claim 22, wherein the microencapsulated odor neutralizing composition includes liposoluble essences of phosphate salts of 2,2' -oxybisethanol-2,2' - (methylimino)bisethanol.

26. (Currently amended) The garment according to claim 8, wherein the chemical composition further including includes a softening agent ~~applied to at least the selected portion of the fabric.~~

27. (Original) The garment according to claim 26, wherein the softening agent includes an amino-modified copolymer silicone.

28. (Currently amended) A fabric comprising:

~~a fabric surface having a plurality of pores, the fabric having a given critical surface tension if a fluorochemical is applied thereto, the plurality of pores each having a size capable of permitting a given liquid having a surface tension that is no less than the given critical surface tension to pass therethrough if a fluorochemical is applied to the fabric; and~~

~~an occluding a chemical composition applied to at least a selected portion of the fabric surface, the selected portion including the plurality of pores, the occluding chemical composition comprising: being capable of substantially preventing passage of the given liquid through the plurality of pores while substantially allowing vapor passage through the plurality of pores~~

a fluoroalkyl acrylate copolymer having a concentration ranging from about 4.5% to about 9% by weight of the chemical composition;

a pore resistance composition having a concentration ranging from about 0.46 to about 0.65 parts by weight for each part of the fluoroalkyl acrylate copolymer; and

a crosslinking composition having a concentration ranging from about 0.60 to about 0.80 parts by weight for each part of the fluoroalkyl acrylate copolymer.

29. (Original) The fabric according to claim 28, wherein the fabric includes denim.

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30. (Original) The fabric according to claim 29, wherein the denim is texture-treated.

31. (Original) The fabric according to claim 28, wherein the fabric is texture-treated.

Claims 32-34 (Cancelled)

35. (Currently amended) The fabric according to claim 34 28, wherein the pore resistance composition includes a thermoplastic elastomer.

36. (Original) The fabric according to claim 35, wherein the thermoplastic elastomer includes a urethane.

Claims 37-38 (Cancelled)

39. (Currently amended) The fabric according to claim 38 28, wherein the crosslinking composition includes an inorganic salt and 2-imidazolidinone.

40. (Currently amended) The fabric according to claim 37 28, wherein the crosslinking composition includes a glyoxal-based agent.

41. (Currently amended) The fabric according to claim 38 28, wherein the chemical composition further including includes a microencapsulated odor neutralizing composition ~~applied to at least the selected portion of the fabric.~~

42. (Original) The fabric according to claim 41, wherein the microencapsulated odor neutralizing composition is capable of decreasing the vapor pressure of an odor composition.

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43. (Original) The fabric according to claim 41, wherein the microencapsulated odor neutralizing composition includes a scent composition.

44. (Original) The fabric according to claim 41, wherein the microencapsulated odor neutralizing composition includes liposoluble essences of phosphate salts of 2,2'-oxybisethanol-2,2'-(methylimino)bisethanol.

45. (Currently amended) The fabric according to claim 28, wherein the chemical composition further including includes a softening agent ~~applied to at least the selected portion of the fabric.~~

46. (Original) The fabric according to claim 45, wherein the softening agent includes an amino-modified copolymer silicone.

Claims 47-84 (Cancelled)

85. (Currently amended) A fabric-based article comprising:

~~a fabric having a plurality of pores, the fabric having a given critical surface tension if a fluorochemical is applied thereto, the plurality of pores each having a size capable of permitting a given liquid having a surface tension that is no less than the given critical surface tension to pass therethrough if a fluorochemical is applied to the fabric; and~~

~~an occluding a chemical~~ composition applied to at least a selected portion of the fabric, ~~the selected portion including the plurality of pores, the occluding chemical~~ composition comprising: being capable of substantially preventing passage of the given liquid through the plurality of pores while substantially allowing vapor passage through the plurality of pores

a fluoroalkyl acrylate copolymer having a concentration ranging from about 4.5% to about 9% by weight of the chemical composition;

a pore resistance composition having a concentration ranging from about 0.46 to about 0.65 parts by weight for each part of the fluoroalkyl acrylate copolymer; and

a crosslinking composition having a concentration ranging from about 0.60 to about 0.80 parts by weight for each part of the fluoroalkyl acrylate copolymer.

86. (Currently amended) ~~A formulation to treat a fabric with a plurality of pores, the fabric having a given critical surface tension if a fluorochemical is applied thereto, the plurality of pores each having a size capable of permitting a given liquid having a surface tension that is no less than the given critical surface tension to pass therethrough if a fluorochemical is applied to the fabric, the formulation comprising:~~

a fluorochemical having a concentration ranging from about 4.5% to about 9% by weight of the formulation; and

a pore resistance composition having a concentration ranging from about 0.46 to about 0.65 parts by weight for each part of the fluorochemical; and

a crosslinking composition having a concentration ranging from about 0.60 to about 0.80 parts by weight for each part of the fluorochemical.

~~wherein the formulation substantially prevents passage of the given liquid through the plurality of pores while substantially allows vapor passage through the plurality of pores, when applied to the fabric.~~

87. (Currently amended) A garment comprising:

a denim fabric; and

a chemical composition ~~a microencapsulated odor neutralizing composition~~ applied to a portion of the denim fabric, the chemical composition comprising:

a fluoroalkyl acrylate copolymer having a concentration ranging from about 4.5% to about 9% by weight of the chemical composition;

a dispersed blocked polyurethane having a concentration ranging from about 0.46 to about 0.65 parts by weight for each part of the fluoroalkyl acrylate copolymer; and

a crosslinking composition comprising an inorganic salt with a carboxylic acid and 2-imidazolidinone, the crosslinking composition having a concentration ranging from about 0.60 to about 0.80 parts by weight for each part of the fluoroalkyl acrylate copolymer.

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88. (Cancelled)

89. (Currently amended) The garment according to claim 87, wherein the chemical composition further comprises a microencapsulated odor neutralizing composition ~~includes a scent composition.~~

90. (Currently amended) The garment according to claim ~~87~~ 89, wherein the microencapsulated odor neutralizing composition includes liposoluble essences of phosphate salts of 2,2' -oxybisethanol-2,2' - (methylimino)bisethanol.

91. (Original) The garment according to claim 87, wherein the denim fabric is texture treated.

Claims 92-95 (Cancelled)

96. (New) The garment according to claim 89, wherein the microencapsulated odor neutralizing composition has a concentration ranging from about 0.75 to about 0.99 parts by weight for each part of the fluoroalkyl acrylate copolymer.

97. (New) The garment according to claim 87, wherein the chemical composition further comprises an amino-modified copolymer silicone having a concentration ranging from about 1.25% to about 3.5% by weight of the denim fabric before applying the chemical composition.

98. (New) The garment according to claim 87, wherein the chemical composition further comprises:

an amino-modified copolymer silicone having a concentration ranging from about 1.25% to about 3.5% by weight of the denim fabric before applying the chemical composition; and
a microencapsulated odor neutralizing composition having a concentration ranging from about 0.75 to about 0.99 parts by weight for each part of the fluoroalkyl acrylate copolymer.